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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/667,980 09/22/2003		09/22/2003	Karl-Heinz Aleksander Ostoja Starzewski	Mo7800/LeA 36,356	1978	
34947	7590	05/11/2006		EXAMINER		
LANXESS			LU, C CAIXIA			
111 RIDC P PITTSBURG				ART UNIT	PAPER NUMBER	
	·			1713		
				DATE MAILED: 05/11/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

Examiner Caixia Lu The MAILING DATE of this communication appears on the cover sheet with the correspondence and Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30 WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.13(a). In no exent, however, may are perby be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is applicated above, the manufact after the mailing date of this communication. If NO period for reply septiment is set or extended above, the mailing date of the communication. If NO period for reply septiment is set or extended above, the mailing date of the communication, even if timely filed, may reduce a period patent term adjustment. See 37 CFR 1.704(b). Status 1) □ Responsive to communication(s) filed on 14 February 2006 and 05 April 2006. 2a) □ This action is FINAL. 2b) □ This action is non-final. 3) □ Since this application is in condition for allowance except for formal matters, prosecution as to the closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) □ Claim(s) 1.2.4-16 and 18-20 is/are pending in the application. 4a) Of the above claim(s) 9-16 is/are pending in the application. 5) □ Claim(s) 1.2.4-16 and 18-20 is/are ending the thing of the application. 5) □ Claim(s) 1.2 and 4-8 is/are allowed. 6) □ Claim(s) 1.2 and 4-8 is/are allowed. 6) □ Claim(s) 1.2 and 4-9 is/are allowed. 7) □ The specification is objected to by the Examiner. 10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner. Application Papers 9) □ The specification is objected to by the Examiner. Application Papers 9) □ The oath or declaration is objected to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to See 37 CFR 1.11 □ The						10/	
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Caixia Lu	Office Action Summary		10/667,980		OSTOJA STARZEW	OSTOJA STARZEWSKI ET AL.	
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Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 02/14/06. 4) Interview Summary (PTO-413) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO Other:	1) Notice 2) Notice 3) Inform	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) ation Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5) 🔲	Paper No(s)/Mail Da Notice of Informal P	ate	52)	

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Art Unit: 1713

DETAILED ACTION

Request for Continued Examination

 The request for continued examination (RCE) under 37 C.F.R. §1.114 is acceptable. An action on the RCE follows.

2. Due the restriction requirement, currently, only the polymerization process claims, claims 1-8 and 17-20, are under examination.

Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 4. Claims 18-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The polar monomer of claim 18 lacks antecedence because an olefin is basically non-polar.

The limitations of blocks of polystyrene, polybutadiene and polytetrahydrofuran of claim 20 lack antecedences because those blocks are not olefin blocks. It is noted that the term "polytetra hydrofuran" is improper and should be replaced with -- polytetrahydrofuran--.

Claim 19 is not further limiting since olefin monomers are nonpolar monomers.

Therefore, claim 19 should be cancelled.

Allowable Subject Matter

5. Claims 1, 2, and 2-8 are allowed.

Art Unit: 1713

The instant claims are directed to a polymerization process of unsaturated monomers in the presence of a metallocene complex, wherein the metallocene complex have at least one donor-acceptor interaction between two of its ligands, at least one of the ligand is fluorenyl ligand and at least one alkyl or aryl group is on at least one acceptor atom; wherein, the polymerization is conducted at a temperature from -60 to 250 °C and the polymer produced have a <u>number molecular weight</u> [sic] greater than 500 kg/mol.

Ostoja-Starzewski et al. (US 6,353,064) teaches an olefin polymerization process in the presence of metallocene complex having one donor-acceptor interaction between two of its ligands at temperature range of 45 °C to 250 °C, wherein fluorenyl can be one the ligand. However, the cited patent does not teach or reasonably suggest conducting the polymerization at temperature range of -40 °C to 15 °C. Therefore, the instant claims are deemed to be novel.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Caixia Lu whose telephone number is (571) 272-1106. The examiner can normally be reached from 9:00 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful and the matter is urgent, the examiner's supervisor, David Wu, can be reached at (571) 272-1114. The fax numbers for the organization where this application or proceeding is assigned is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-1700.

Caixia Lu, Ph. D. Primary Examiner